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DPR 314

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health AdministrationForm Approved
OMB No. 44-01387

MATERIAL SAFETY DATA SHEET

JAN 15 1982

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Royal Lubricants Company		EMERGENCY TELEPHONE NO. 201-887-3100
ADDRESS (Number, Street, City, State, and ZIP Code) River Rd., E. Hanover, N.J. 07936		
CHEMICAL NAME AND SYNONYMS Lubricating oil	TRADE NAME AND SYNONYMS Royco 586V & 586W, MIL-L-6086	
CHEMICAL FAMILY Petroleum lubricating oil mixture.	FORMULA See below.	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	Product does not contain		BASE METAL		
CATALYST	any materials listed on		ALLOYS		
VEHICLE	OSHA tables Z-1, Z-2, Z-3.		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
No HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Formula: More than 90% Refined neutral petroleum stock.					
Less than 2% Acrylic polymer					
Less than 5% Lubrizol's Anglamol 46 defined as not hazardous by 33USC 941 Section 1501.					
Less than 3% Dibenzol disulfide					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Above 600°F	SPECIFIC GRAVITY (H ₂ O=1)	0.922
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	Nil
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (1 = 1)	Nil
SOLUBILITY IN WATER	Insol.		
APPEARANCE AND ODOR Tan colored oil with slight odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 375°F Cleveland Open Cup	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA CO ₂ , Foam, or dry chemical.			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Avoid breathing of oil mist.

EFFECTS OF OVEREXPOSURE

Eyes - slightly irritating

Skin - may be irritating to some with long exposure.

EMERGENCY AND FIRST AID PROCEDURES

Oral - do not induce vomiting, call physician.

Eyes - wash with copious quantities of water.

Skin - clean with waterless hand cream than wash with soap & water.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Strong oxidizing agents such as liquid oxygen.

HAZARDOUS DECOMPOSITION PRODUCTS

Forms fumes, smoke and carbon monoxide on combustion.

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Absorb with clay, diatomaceous earth or other inert absorbent.

WASTE DISPOSAL METHOD

Controlled burning or approved disposal dump.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Not normally required except of oil mist being generated.

VENTILATION

LOCAL EXHAUST

SPECIAL

Not normally required unless oil mist present.

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Not normally required.

EYE PROTECTION

Goggles if oil being sprayed or splashed

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS

Do not handle foods unless hands have been washed with soap & water.